

Amendments to the Specification:

Please amend the paragraph beginning on page 5, line 29 and continuing to page 6, line 2 as follows:

With reference to FIGURE 1, an existing screw vacuum pump comprises a vacuum pump **10** comprising a common pump chamber **12** having a first end **13**, a second end **15**, a third end **17**, and a fourth end **19**. The pump chamber **12** further comprises a central inlet port **14** located at the third end **17** of the chamber **12**, through which gas from an enclosure (not shown) connectable to the inlet can be pumped to a pump high pressure exhaust port **16** located at the fourth end **19**.

On page 8, please amend the paragraph spanning lines 16-27 as follows:

A preferred embodiment of the present invention comprises the shaft **140** having a raised relief male lobe or portion **142** and a female channel or portion **143** which is 180° opposite to the lobe **142** and is the negative profile of the lobe. Lobe **142** engages a correspondingly hollow female [[or]] channel or portion **152** in the second shaft **150**. Shaft **150** also has a male lobe or portion **153** which is 180° opposite channel **152** and is the negative profile of the channel. The male lobe **142** and the corresponding female portion or channel **152** are shown to be V-shaped in FIGURE 3. The lobe **142** and channel **152** form a suction section **154**. Channel **143** and lobe **153** also form a suction section opposite section **154**.